

Notice of Allowability

Applicati n No.

09/868,490

Examiner

Juan A. Torres

Applicant(s)

OKADA, TOMOHISA

Art Unit

2631

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 12/08/2004.
2. ☒ The allowed claim(s) is/are 1-10.
3. ☒ The drawings filed on 18 June 2001 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____


MOHAMMED GHAYOUR
SUPERVISORY PATENT EXAMINER

EXAMINER STATEMENT FOR REASONS FOR ALLOWANCE

Claims 1-10 are allowable over prior art.

The following is an examiner's statement of reasons for allowance: claims 1-10 are allowed because the references cited fail to teach, as applicant has, a modulation signal analysis apparatus comprising of a frequency converter for converting frequency of a modulation signal inputted from the outside intermediate frequency; an RBW filter for receiving the modulation signal outputted from the frequency converter and limiting a frequency component with a bandwidth determined by designated resolution; level converter for converting the modulation signal having a band limited by the RBW filter to a digital level signal perform frequency analysis; signal selection circuit for selecting either one modulation signal from the modulation signal before having the band limited by the RBW filter and modulation signal after having the band limited by the RBW filter; an A/D converter receiving the modulation signal selected by signal selection circuit and converting the modulation signal digital signal; an operation input section for operating/inputting a frequency analysis instruction for the modulation signal, a modulation analysis instruction for the modulation signal, and a modulation type of the modulation signal; an analysis operation section using the digital signal converted by A/D converter and performing frequency analysis for the modulation signal and modulation analysis for the modulation signal selected by the signal selection circuit order to modulate/analyze a level signal outputted from the level converter; controller for instructing the analysis operation section to execute the analysis instruction operated/inputted via the operation input section, sending a selection instruction the

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signal selection circuit in accordance with the modulation type of the operated/inputted modulation signal, and setting the bandwidth of the RBW filter in accordance with the modulation type of the modulation signal when the modulation signal having the band limited by the RBW filter selected as the modulation signal inputted to the A/D converter, and the modulation analysis instruction for the modulation signal is inputted to the operation input section, as the applicant has claimed.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance".

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Juan A. Torres whose telephone number is (571) 272-3119. The examiner can normally be reached on Monday-Friday 9:00 AM - 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mohammad H. Ghayour can be reached on (571) 272-3021. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

JAT 12-14-2004


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